Toxicology Letters, 56 (1991) 355–357
Elsevier

AUTHOR INDEX VOL. 56 (1991)

Alhonen-Raatesalmi, A. and Hemminki, K., Assay for nucleoside and nucleotide binding of a potent mutagen, 3-chloro-4-(dichloromethyl)-5-hydroxy-2(5*H*)-furanone, 167
Ali, M., see Gomes, S.A., 229
Alnaqeeb, M., see Gomes, S.A., 229
Astroff, B., Eldridge, B. and Safe, S., Inhibition of the 17β-estradiol-induced and constitutive expression of the cellular proto-oncogene c-*fos* by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) in the female rat uterus, 305
Aucoin, M.M., see Kochevar, D.T., 243

Balegno, H.F., see Rivarola, V.A., 151
Bandyopadhyay, S., see Ruch, R.J., 117
Ban, M., see Hesbert, A., 53
Barriga-Arceo, S.D. and Madrigal-Bujaidar, E., Genotoxic evaluation of letimide with the mouse bone marrow micronucleus test, 95
Barriga-Arceo, S.D., Madrigal-Bujaidar, E., Salazar, M. and Chamorro, G., Cytogenetic and teratogenic evaluation of letimide, 99
Barros, S.B.M., Simizu, K. and Junqueira, V.B.C., Liver lipid peroxidation-related parameters after short-term administration of hexachlorocyclohexane isomers to rats, 137
Berode, M., Testa, B. and Savolainen, H., Bicarbonate-catalyzed hydrolysis of hexamethylene diisocyanate to 1,6-diaminohexane, 173
Blakley, B.R., see Kim, J.S., 43
Bois, F.Y., Smith, M.T. and Spear, R.C., Mechanisms of benzene carcinogenesis: application of a physiological model of benzene pharmacokinetics and metabolism, 283
Boman, A., see Hjelm, E.W., 79
Bonnet, P., see Hesbert, A., 53
Bottin, M.C., see Hesbert, A., 53
Bursian, S.J., see Fathy, F.A., 7

Cardenas, A. and Nemery, B., Effects of pneumotoxic trialkylphosphorothioates on the pentose phosphate pathway in rat lung slices, 339
Chamorro, G., see Barriga-Arceo, S.D., 99
Chen, C.F., Lin, M.C., Liu, F.M. and Fang, H.S., Effects on renal excretion in rats after injection of bile extracts from some fresh-water fish, 109
Chipman, J.K., see Percy, A.J., 69
Cooper, J., see Kochevar, D.T., 243
Corbella, J., see To-Figueras, J., 87

De Ceaurriz, J., see Hesbert, A., 53
Drasch, G.A., see Klein, D., 61
Dulaney, M.D., see Wisler, J.A., 275

Einarsson, B., see Nilsson, B.O., 349
Eldridge, B., see Astroff, B., 305

Fang, H.S., see Chen, C.F., 109
Fathy, F.A. and Bursian, S.J., The effect of triorthocresyl phosphate, a delayed neurotoxin, on the testes of young broilers, 7
Fernström, P., see Hjelm, E.W., 79
Furukawa, A., see Kojima, S., 197

Gibson, J.P., see Yarrington, J.T., 127
Gomes, S.A., Thomson, M., Ali, M., Alnaqeeb, M. and Khater, S.H., Collagen toxicity in rabbits, 229
Gómez-Catalán, J., see To-Figueras, J., 87
Graepel, G.J., see Kennedy, G.L. Jr., 317

Hagberg, M., see Hjelm, E.W., 79
Hamilton, D.L., see Kim, J.S., 43
Hardesty, B., see Kramer, G., 241
Hemminki, K., see Alhonen-Raatesalmi, A., 167
Hesbert, A., Ban, M., Bonnet, P., Simon, P., Bottin, M.C., Lemonnier, M. and De Ceaurriz, J., Interdependence of polymorphonuclear neutrophils and macrophages stained for *N*-acetyl-β-glucosaminidase in lavage effluents from toluene diisocyanate-exposed rat lungs, 53
Hirai, M. and Ichikawa, M., Changes in serum glucocorticoid levels and thymic atrophy induced by phenytoin administration in mice, 1
Hjelm, E.W., Boman, A., Fernström, P., Hagberg, M. and Johanson, G., Percutaneous uptake and kinetics of methyl isobutyl ketone

(MIBK) in the guinea-pig, 79
Howard, W., Leonard, B., Moody, W. and Kochhar, T.S., Induction of chromosome changes by metal compounds in cultured CHO cells, 179

Ichikawa, M., see Hirai, M., 1
Inui, N., see Semba, M., 299
Izushi, F., see Ogata, M., 327

Johanson, G., see Hjelm, E.W., 79
Junqueira, V.B.C., see Barros, S.B.M., 137

Kanai, T., see Nishikawa, T., 145
Kasajima, T., see Nishikawa, T., 145
Kennedy, G.L. Jr., and Graepel, G.J., Acute toxicity in the rat following either oral or inhalation exposure, 317
Khater, S.H., see Gomes, S.A., 229
Kim, J.S., Hamilton, D.L., Blakley, B.R. and Rousseaux, C.G., The effects of thiamin on lead metabolism: whole body retention of lead-203, 43
Kiyozumi, M., see Kojima, S., 197
Klaunig, J.E., see Ruch, R.J., 117
Klein, D., Scholz, P., Drasch, G.A., Müller-Höcker, J. and Summer, K.H., Metallothionein, copper and zinc in fetal and neonatal human liver: changes during development, 61
Kochevar, D.T., Aucoin, M.M. and Cooper, J., Mammalian heat shock proteins: an overview with a systems perspective, 243
Kochhar, T.S., see Howard, W., 179
Kociba, G.J., see Yarrington, J.T., 127
Kojima, S., Furukawa, A., Kiyozumi, M. and Shimada, H., Comparative renal toxicity of metallothioneins with different cadmium/zinc ratios in rats, 197
Kramer, G. and Hardesty, B., Commentary on 'Mammalian heat shock proteins: an overview with a systems perspective' by Deborah T. Cochevar, Michelle M. Aucoin and Jonathan Cooper, 241

Lemonnier, M., see Hesbert, A., 53
Lenz, D.E., see Wisler, J.A., 275
Leonard, B., see Howard, W., 179
Lin, M.C., see Chen, C.F., 109
Liu, F.M., see Chen, C.F., 109
Liu, J., Sato, C. and Marumo, F., Characterization of the acetaminophen–glutathione conjugation reaction by liver microsomes: species difference in the effects of acetone, 269
Liu, W.-F., A symptomatological assessment of organophosphate-induced lethality in mice: comparison of atropine and clonidine protection, 19

Madrigal-Bujaidar, E., see Barriga-Arceo, S.D., 95
Madrigal-Bujaidar, E., see Barriga-Arceo, S.D., 99
Magnusson, C., see Nilsson, B.O., 349
Marumo, F., see Liu, J., 269
Moody, W., see Howard, W., 179
Morita, S., see Noda, T., 207
Morris, J.B., Deposition of acetone vapor in the upper respiratory tract of the B6C3F1 mouse, 187
Müller-Höcker, J., see Klein, D., 61

Nakagawa, K., Decreased glutathione *S*-transferase activity in mice livers by acute treatment with lead, independent of alteration in glutathione content, 13
Nemery, B., see Cardenas, A., 339
Nerland, D.E., see Wells, M.S., 159
Nilsson, B.O., Einarsson, B. and Magnusson, C., Lead given systemically to mice in experimental delay of implantation increases the oxygen consumption of delayed blastocysts, 349
Nishikawa, T., Kasajima, T. and Kanai, T., Potentiating effects of forskolin on the cardiovascular teratogenicity of ephedrine in chick embryos, 145
Noda, T., Morita, S., Yamano, T., Shimizu, M. and Yamada, A., Effects of triphenyltin acetate on pregnancy in rats by oral administration, 207

Ogata, M. and Izushi, F., Effects of chlordane on parameters of liver and muscle toxicity in man and experimental animals, 327
Olsen, J.D. and Sisson, D.V., Toxicity of extracts of tall larkspur (*Delphinium barbeyi*) in mice, hamsters, rats and sheep, 33
Owusu-Yaw, J., Wheeler, W.B. and Wei, C.I., Genotoxicity studies of the reaction of chlorine or chlorine dioxide with L-tryptophan, 213

Pellicore, L.S., see Wisler, J.A., 275
Percy, A.J. and Chipman, J.K., The measurement of DNA strand breaks in rat colonic mu-

cosa by fluorometric analysis of DNA unwinding, 69

Rivarola, V.A. and Balegno, H.F., Effects of 2,4-dichlorophenoxyacetic acid on polyamine synthesis in Chinese hamster ovary cells, 151
Rodamilans, M., see To-Figueras, J., 87
Rousseaux, C.G., see Kim, J.S., 43
Ruch, R.J., Bandyopadhyay, S., Somani, P. and Klaunig, J.E., Evaluation of amiodarone free radical toxicity in rat hepatocytes, 117

Safe, S., see Astroff, B., 305
Salazar, M., see Barriga-Arceo, S.D., 99
Sato, C., see Liu, J., 269
Savolainen, H., see Berode, M., 173
Scholz, P., see Klein, D., 61
Semba, M. and Inui, N., Inhibitory effects of radical scavengers on diacylglycerol-promoted transformation in BALB/3T3 cells, 299
Shimada, H., see Kojima, S., 197
Shimizu, M., see Noda, T., 207
Simizu, K., see Barros, S.B.M., 137
Simon, P., see Hesbert, A., 53
Sisson, D.V., see Olsen, J.D., 33
Smith, M.T., see Bois, F.Y., 283
Somani, P., see Ruch, R.J., 117
Spear, R.C., see Bois, F.Y., 283
Summer, K.H., see Klein, D., 61

Testa, B., see Berode, M., 173
Thomson, M., see Gomes, S.A., 229
To-Figueras, J., Gómez-Catalán, J., Rodamilans, M. and Corbella, J., Studies on sex differences in excretion of sulphur derivatives of hexachlorobenzene and pentachloronitrobenzene by rats, 87

Wei, C.I., see Owusu-Yaw, J., 213
Wells, M.S. and Nerland, D.E., Hematotoxicity and concentration-dependent conjugation of phenol in mice following inhalation exposure to benzene, 159
Wheeler, W.B., see Owusu-Yaw, J., 213
Wisler, J.A., Dulaney, M.D., Pellicore, L.S. and Lenz, D.E., Transport of cyanide into guinea pig cardiac mitochondria, 275

Yamada, A., see Noda, T., 207
Yamano, T., see Noda, T., 207
Yarrington, J.T., Kociba, G.J. and Gibson, J.P., Thrombocytopenia in rats and dogs administered the antidepressant compound MDL-19,660, 127

Toxicology Letters, 56 (1991) 359–360
Elsevier

SUBJECT INDEX VOL. 56 (1991)

Acetaminophen, 269
Acetone, 187
N-Acetyl-β-glucosaminidase, 53
Active transport, 275
Acute toxicity, inhalation, 317
Acute toxicity, oral, 317
Amiodarone, 117
Analgesic, 95, 99
Anion transport, 275
Antiestrogen, 305
Atropine, 19

BALB/3T3 cells, 299
Benzene, 159, 283
Benzene hematotoxicity, 159
Bicarbonate, 173
Bioassay, poison plants, 33
Biological half-life, lead-203, 43
Biological monitoring, 327
Blastocysts, 349
Blood, 79
Bronchoalveolar lavage, 53
5-Bromo-2′-deoxyuridine, 179

Carcinogenic effects, 283
Cardiac mitochondria, 275
Cardiovascular defects, 145
Cardiovascular disease, 243
Catalysis, 173
Cd,Zn-metallothionein, 197
c-*fos* mRNA induction, 305
Chlordane, 327
Chlorine, 213
3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5*H*)-furanone, 167
CHO cells, 151, 179
Chromosome aberrations, 179
Clonidine, 19
Collagen, 229
Colon, 69
Covalent binding, 167
Creatine phosphokinase, 327
Cyanide, 275
Cyclic AMP, 145
Cytogenetics in vivo and in vitro, 99

Delayed implantation, 349
Developmental changes, 61
1,6-Diaminohexane, 173
2,4-Dichlorophenoxyacetic acid, 151
Diolein, 299
DNA, 167
DNA strand breaks, 69
Dogs, 127

Embryotoxicity, 207
17β-Estradiol, 305
Extract, poison plants, 33

Fetotoxicity, 207
Fish bile extracts, 109
Free radicals, 117

Gas chromatography, 79
Genotoxicity, 213
Glucocorticoid, 1
Glutathione, 13, 269, 339
Glutathione S-transferase, 13
Guinea pig, 79, 275

Heat shock proteins, 243
Hemolysis, 109
Hepatocytes, 117
Hexachlorobenzene, 87
α-Hexachlorocyclohexane, 137
γ-Hexachlorocyclohexane, 137
Hexamethylene diisocyanate, 173
Histopathology, 229
Human exposure, chlordane, 327
Human liver, 61
Hydrolysis, 173

Lactate dehydrogenase, 229
LC_{50}, 317
LD_{50}, 317
Lead-203, 43
Lead acetate, 13
Lethal protection, 19

Letimide, 95, 99
Lipid peroxidation, 137, 327
Liver, 229
Lung, 229, 339

Macrophages, 53
MDL-19,660, 127
Metabolism, benzene, 283
Metallothionein, 61
Metals, 61
L-Methionine, 13
Methyl isobutyl ketone, 79
N-Methyl-*N'*-nitro-*N*-nitrosoguanidine, 69
Mice, 349
Micronucleus test, 95
Mixed function oxidase, 269
Mouse, 187
Mouse bone marrow, 95
Mutagenicity, 167

Nasal vapor deposition, 187
Neurodegenerative disease, 243

1-Oleoyl-2-acetylglycerol (OAG), 299
Organophosphates, 19
Organophosphorus pesticides, 339
Oxidative stress, 339
Oxygen consumption, 349

Paraquat, 339
Pentachloronitrobenzene, 87
Percutaneous uptake, 79
Pharmacokinetics, benzene, 283
Phenol, 159, 283
Phenylglucuronide, 159
Phenylsulfate, 159
Phenytoin, 1
Physiological model, 283
Poison plants, 33
Polyamine, 151
Polymorphonuclear neutrophils, 53
Potentiative interaction, 145
Predictive value, 317

Radical scavengers, 299
Rat uterus, 305
Renal Cd accumulation, 197
Renal damage, 197
Renal excretion, 87, 109

Salicylamide derivative, 95, 99
Sarin, 19
S-Conjugates, 87
Sex difference, 87
Short-term intoxication, 137
Sister chromatid exchange, 179

2,3,7,8-TCDD, 305
Teratogenesis, 99
Testicular atrophy, 7
Thiamin, 43
Thrombocytopenia, 127
Thymic atrophy, 1
Tissue distribution, metallothioneins, 197
Toxicokinetics, 79
TPTA, 207
Triorthocresyl phosphate, 7
Triphenyltin acetate, 207
Tryptophan, 213
Two-stage transformation, 299

Ubiquitin, 243
Urinary excretion, metallothioneins, 197

Whole body retention, lead-203, 43

Young chick embryos, 145
Young chicken, 7